

## BIOLOGICAL INDICATOR

## METRIC

RESPONSE OF FISH STUDIED AT "X2" WORKSHOPS	
<i>Neomysis mercedis</i>	Metric TBD
<i>Crangon franciscorum</i>	Metric TBD
Molluscs	Metric TBD
Striped bass	Metric TBD
Starry flounder	Metric TBD
Longfin smelt	Metric TBD

FOOD PRODUCTION	
Area of Low Salinity Zone	Hectares
Volume of Low Salinity Zone	Cubic Meters
Time LSZ Spends in Proximity to Productive Habitat	Minutes

PRODUCTIVITY OF THE PHOTIC ZONE	
Depth of Penetration by Sunlight through Water Surface	Centimeters
Turbidity	Nephelometric Turbidity Unit (NTU)

ECOSYSTEM PROCESSES	
Diversity of Aquatic Habitat at Four Cross Sections	Numerical Index TBD for Habitat Structure for Fish, e.g., # of feeding spots, # of hiding spots.
Diversity of Flow Patterns at Four Cross Sections	Metric TBD
Interfaces of Currents with Accumulations of Food	Metric TBD

CONTAMINANTS	
Ammonium	Inhibit diatoms/promote microcystis ( $\mu\text{mol L}^{-1}$ ) <sup>1</sup>
Selenium	Biological capture by overbite clams ( $\mu\text{g L}^{-1}$ ) <sup>2</sup>

SITE SPECIFIC STRESSORS	
Time LSZ Spends in Proximity to Outfalls	Minutes
Time LSZ Spends in Proximity to Pumps	Minutes
Time LSZ Spends in Proximity to <i>Egeria</i> Beds	Minutes
Time LSZ Spends in Proximity to Deep Channels	Minutes
Time LSZ Spends in Proximity to Power Plants	Minutes
Time LSZ Spends in Proximity to CVP/SWP Effects	Minutes

<sup>1</sup> See Dugdale's model

<sup>2</sup> See models by Luoma & Presser (fate of Se) and by Jan Thompson (clam abundance)